

# Drought Task Force Summary

## 6 August 2012

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SDSU Extension/AES/ABE

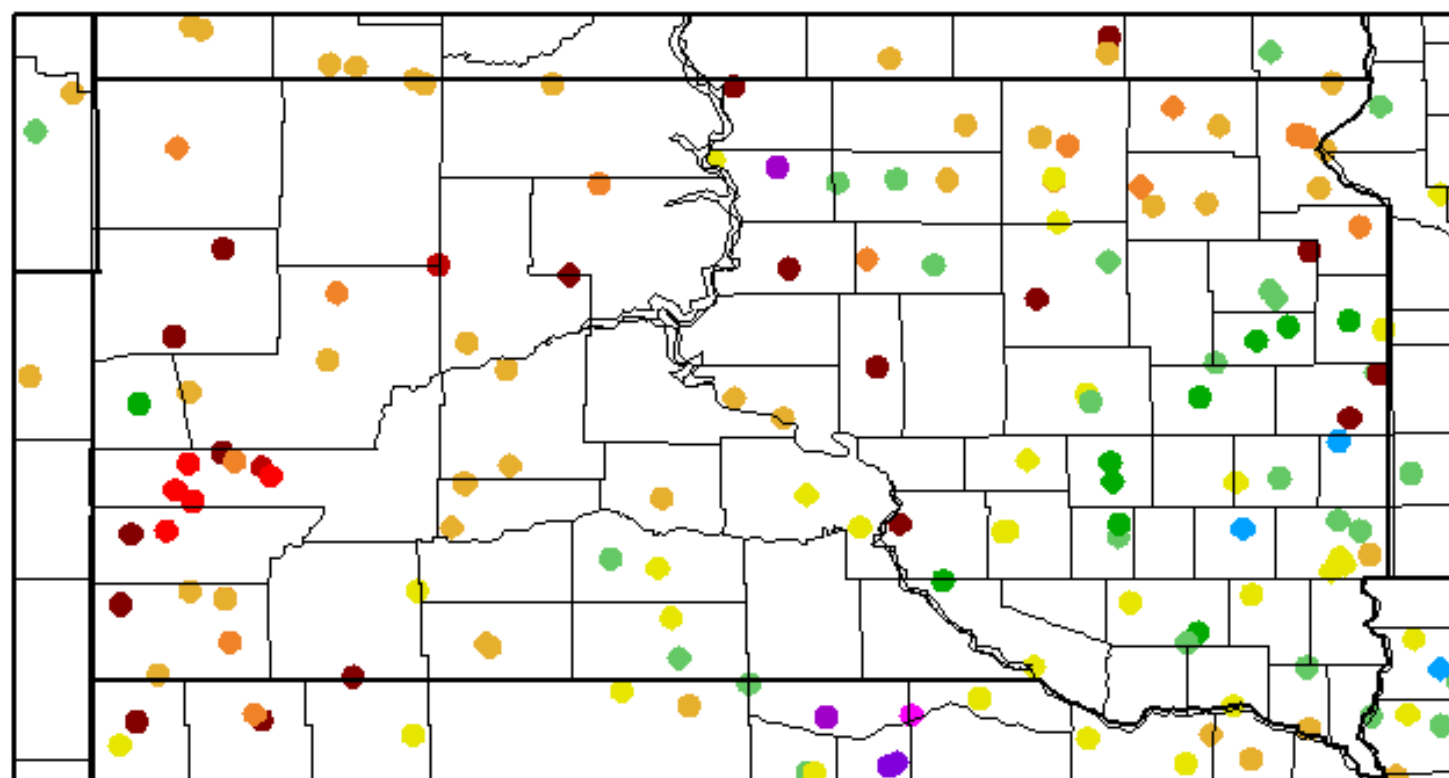


# Drought Issues Summary

- DM Status stabilizing – only minor changes
  - Some precipitation helped last week
  - Slightly cooler (though still seeing temps 100s)
- Fires continue – lack of green-up
- Crop damage
  - Corn mostly done in areas
  - Soybeans close to no-return point
  - Slight green-up in areas
- Maybe pattern change mid-August



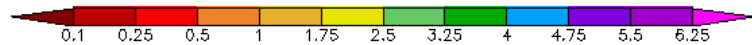
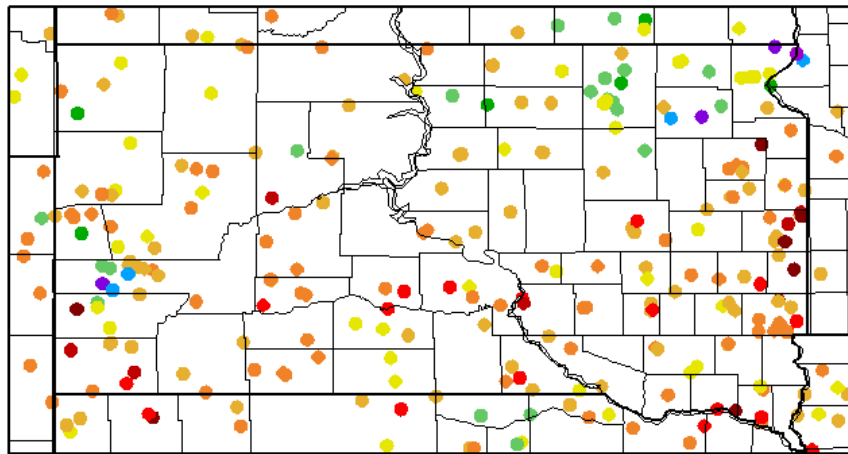
Precipitation (in)  
7/30/2012 – 8/5/2012



Generated 8/6/2012 at HPRCC using provisional data.

Regional Climate Centers

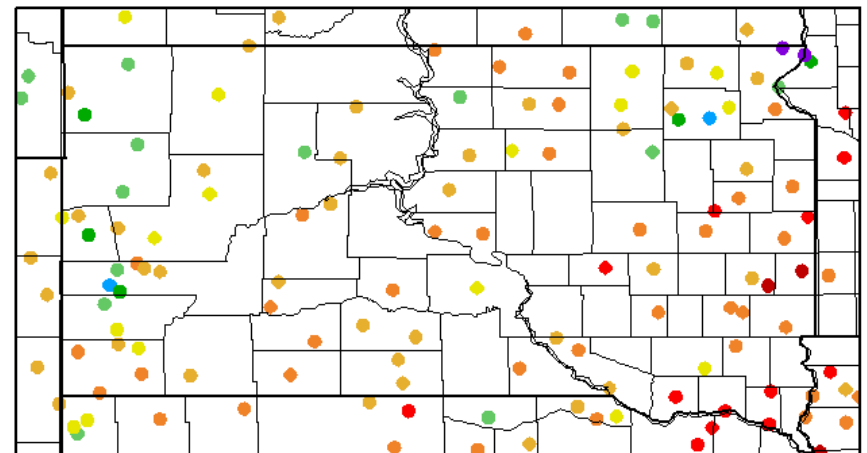
# Precipitation (in) 7/7/2012 – 8/5/2012



Generated 8/6/2012 at HPRCC using provisional data.

Regional Climate Center

# Departure from Normal Precipitation (in) 7/7/2012 – 8/5/2012



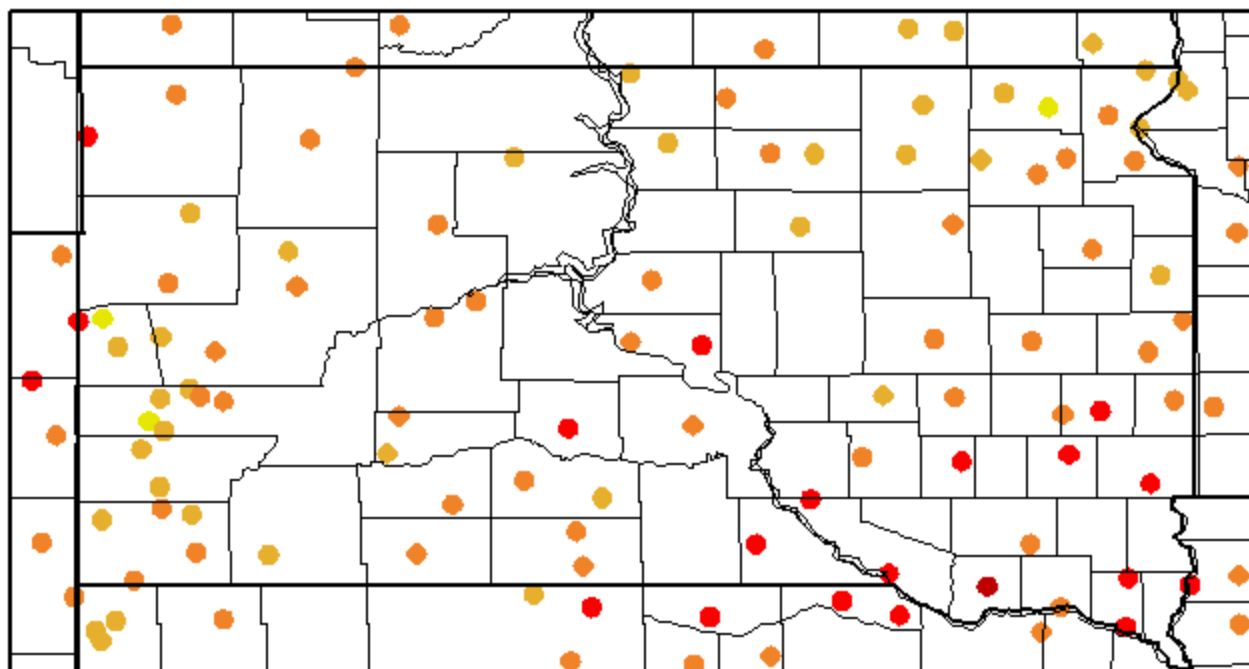
Generated 8/6/2012 at HPRCC using provisional data.

Regional Climate Centers



<http://www.hprcc.unl.edu/maps/current/>

# Departure from Normal Temperature (F) 7/7/2012 – 8/5/2012



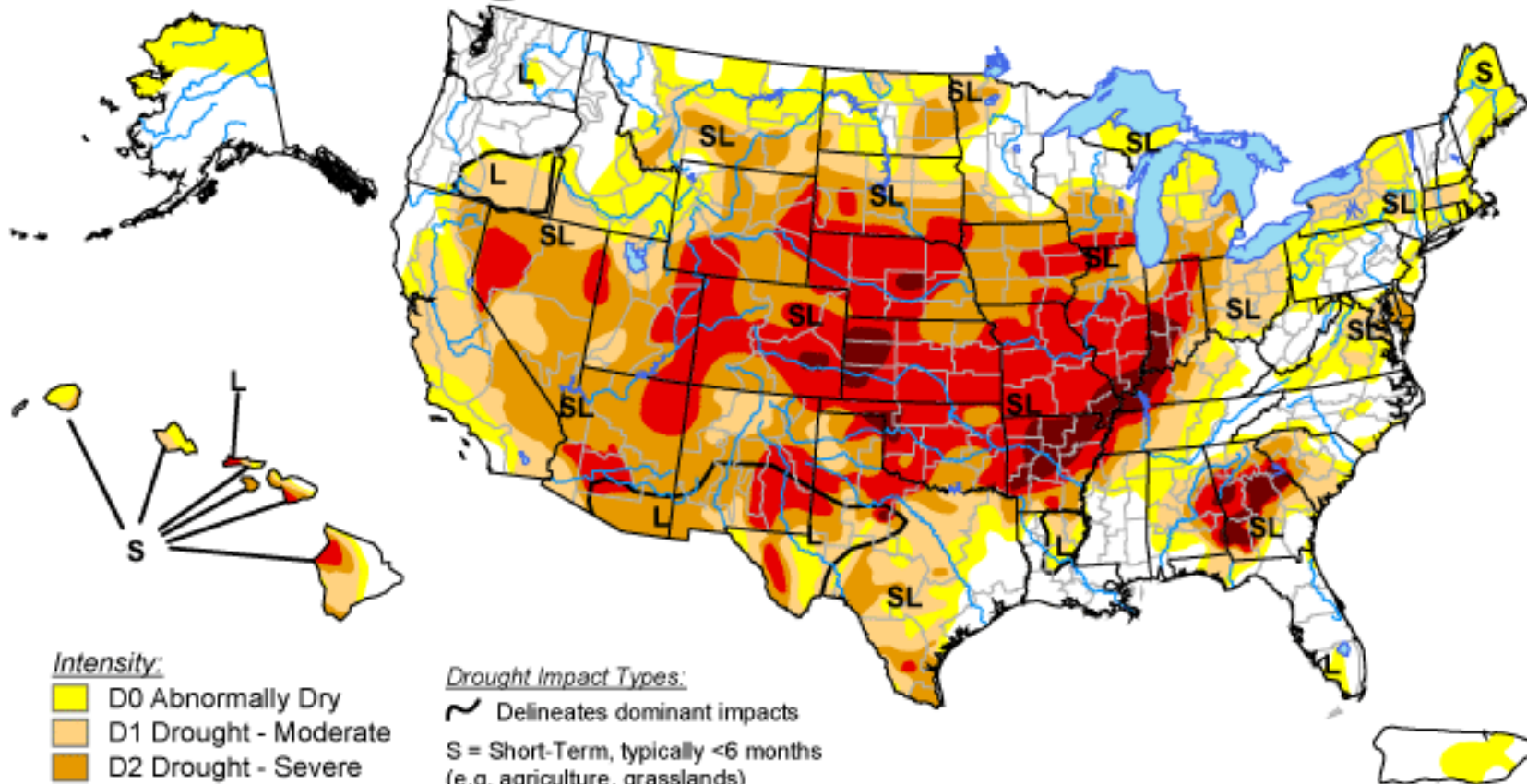
Generated 8/6/2012 at HPRCC using provisional data.

Regional Climate Centers

# U.S. Drought Monitor

July 31, 2012

Valid 7 a.m. EDT



## Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

## Drought Impact Types:

- Delineates dominant impacts
- S = Short-Term, typically <6 months  
(e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months  
(e.g. hydrology, ecology)

The Drought Monitor focuses on broad-scale conditions.  
Local conditions may vary. See accompanying text summary  
for forecast statements.

<http://droughtmonitor.unl.edu/>



**Released Thursday, August 2, 2012**

**Author: Mark Svoboda, National Drought Mitigation Center**

# U.S. Drought Monitor

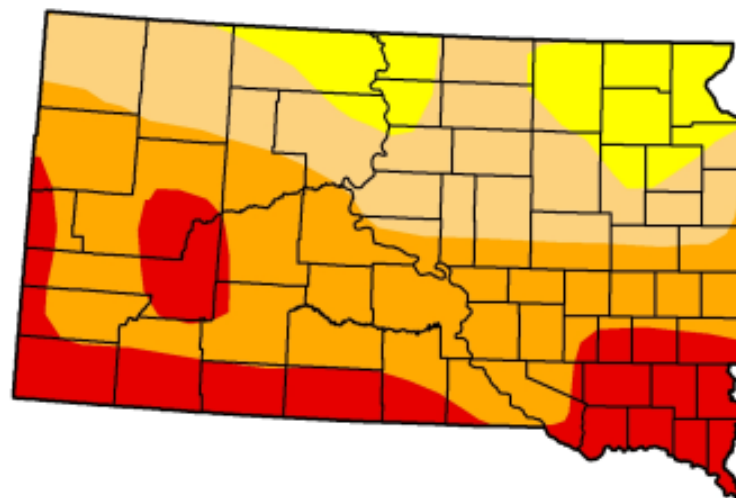
## South Dakota

July 31, 2012

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	87.69	60.91	21.28	0.00
Last Week (07/24/2012 map)	0.00	100.00	91.99	59.15	20.38	0.00
3 Months Ago (05/01/2012 map)	47.19	52.81	17.55	0.00	0.00	0.00
Start of Calendar Year (12/27/2011 map)	48.14	51.86	13.86	2.11	0.00	0.00
Start of Water Year (09/27/2011 map)	71.37	28.63	7.36	0.00	0.00	0.00
One Year Ago (07/26/2011 map)	100.00	0.00	0.00	0.00	0.00	0.00



### Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

<http://droughtmonitor.unl.edu>



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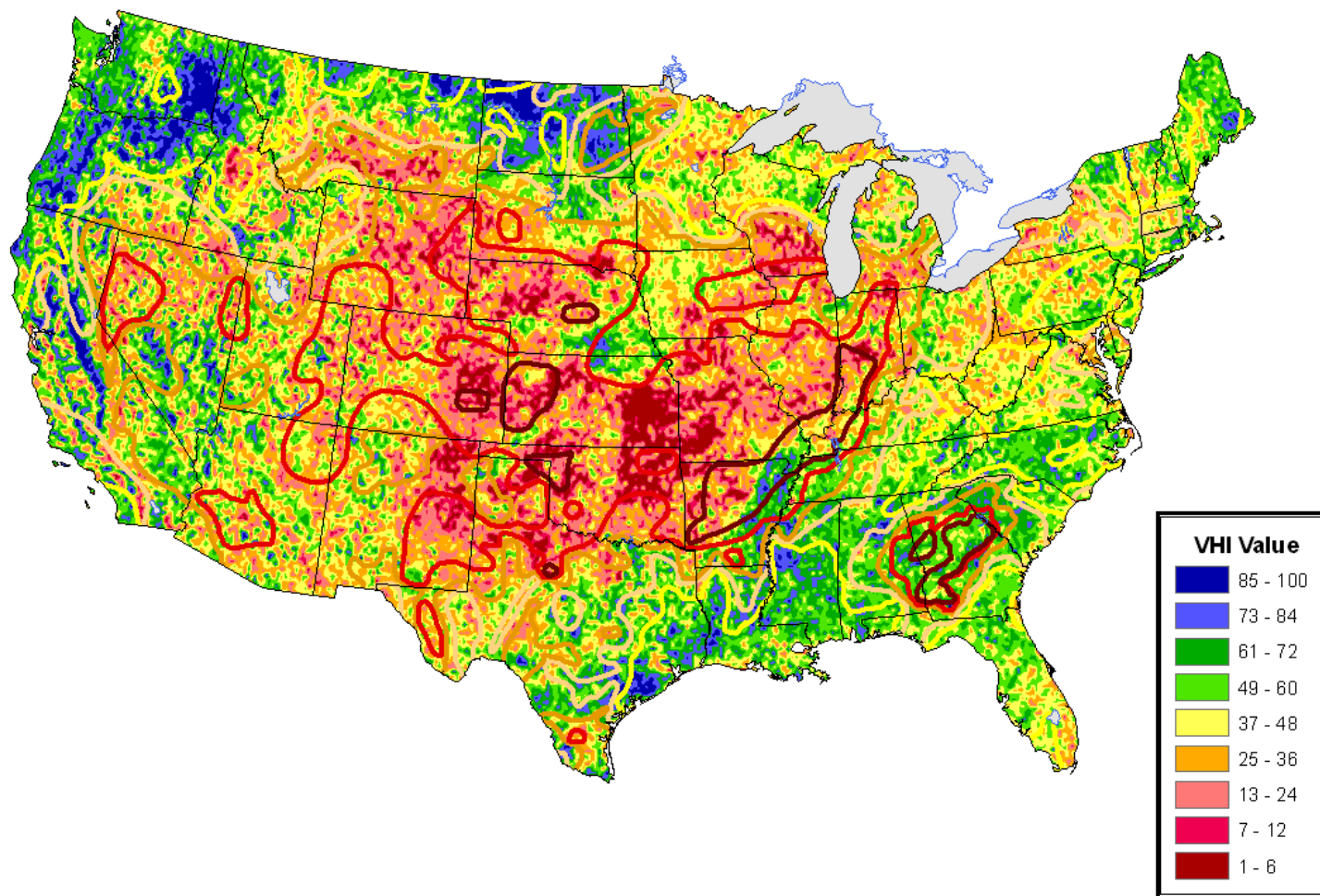
Mark Svoboda, National Drought Mitigation Center





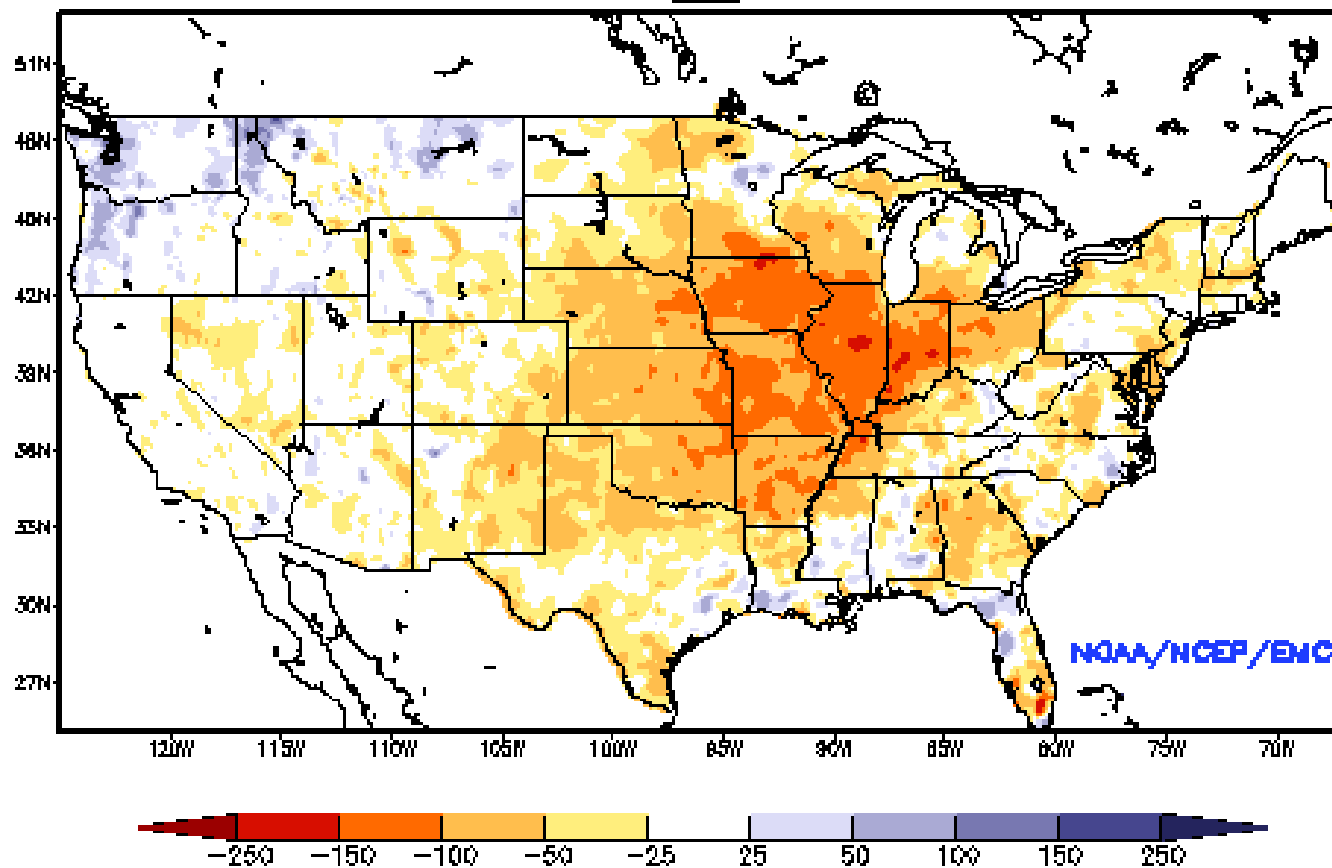
# Vegetation Health Index

July 30, 2012





**Ensemble-Mean - Current Total Column Soil Moisture Anomaly (mm)**  
**NCEP NLDAS Products Valid: AUG 01, 2012**



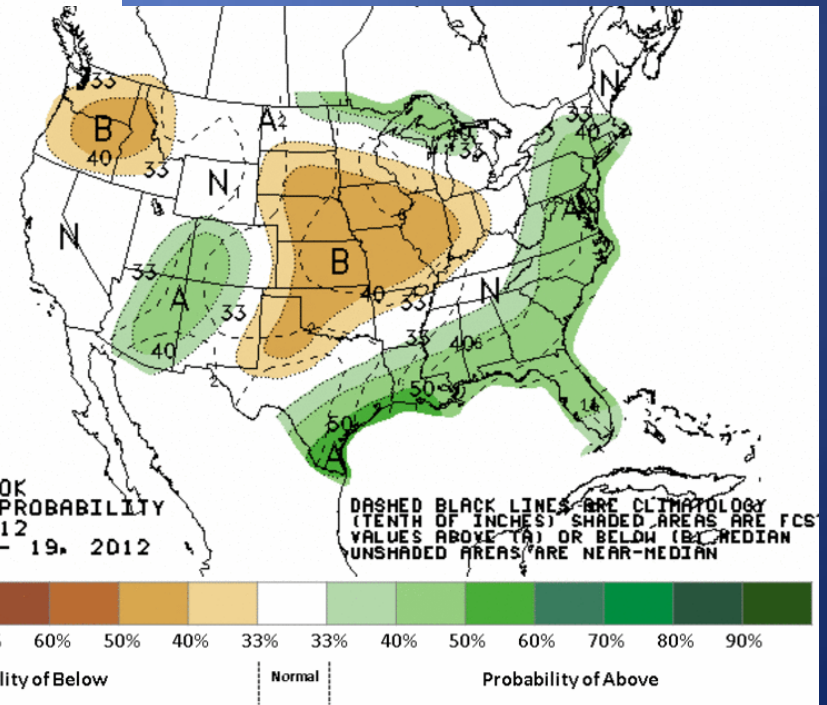
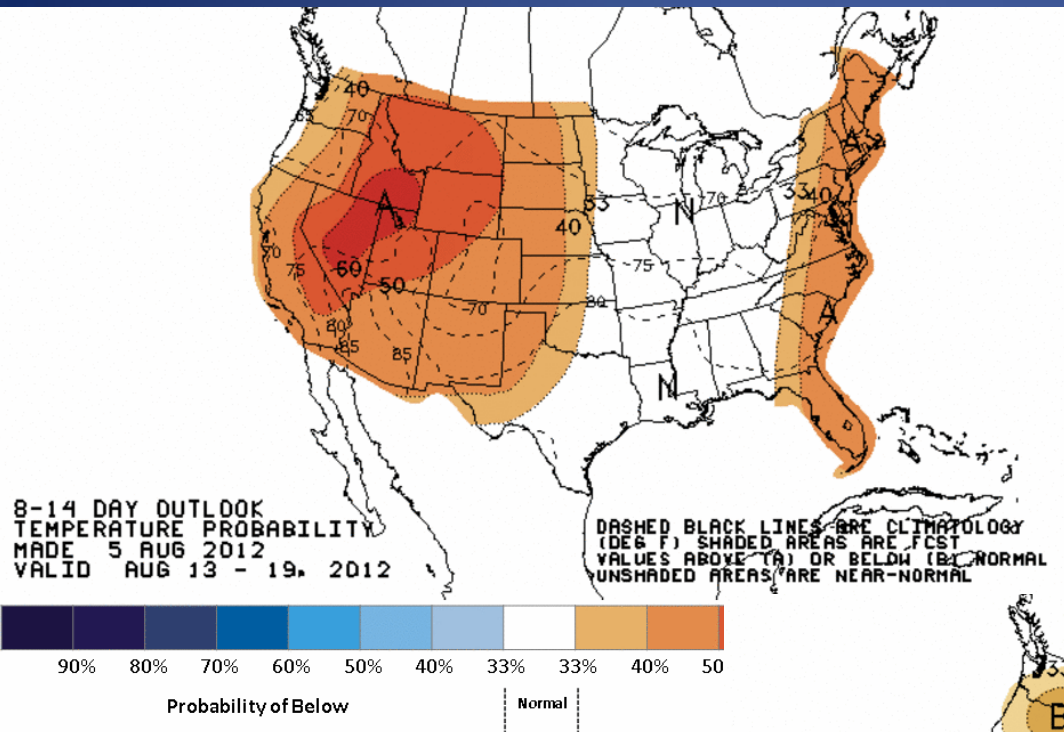
NLDAS Soil Moisture

<http://www.emc.ncep.noaa.gov/mb/nldas/drought/>

# 8-14 day

## Temperature

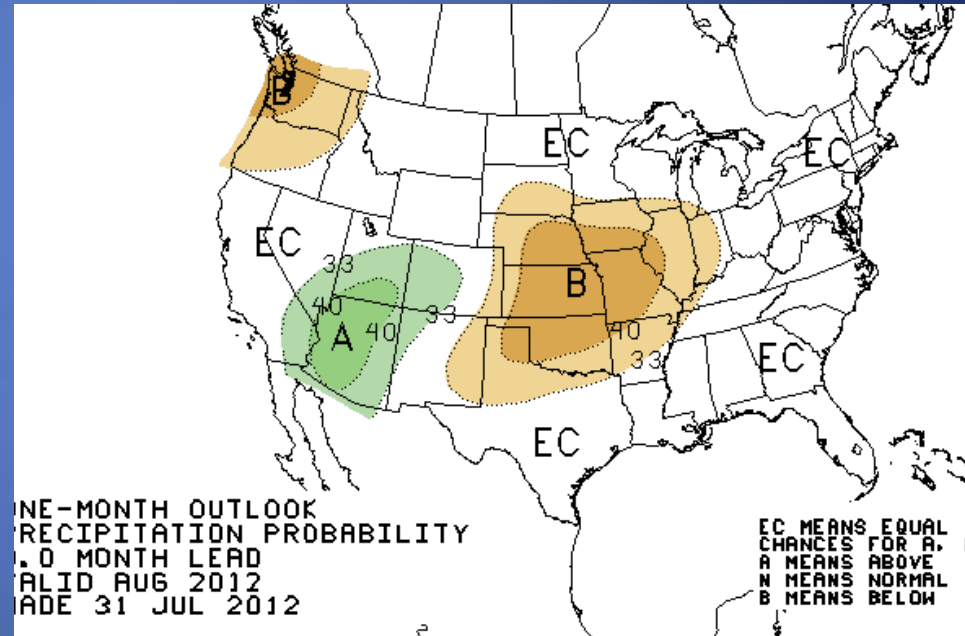
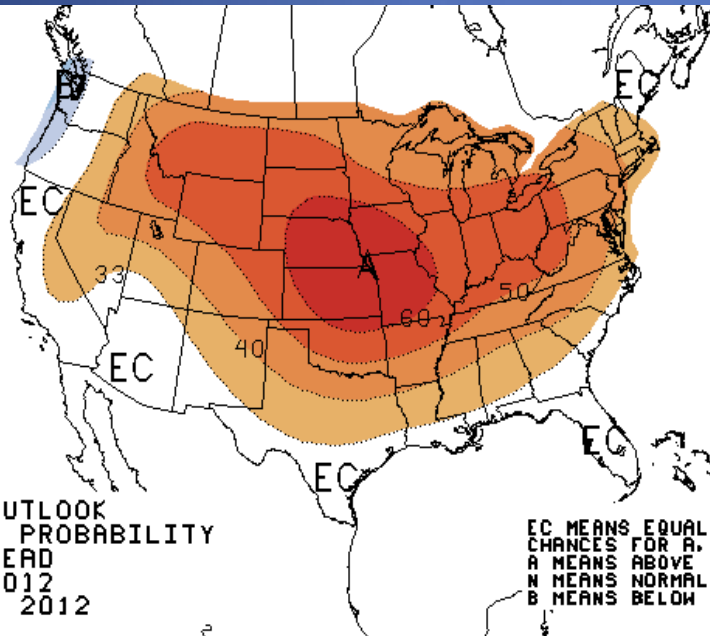
## Precipitation



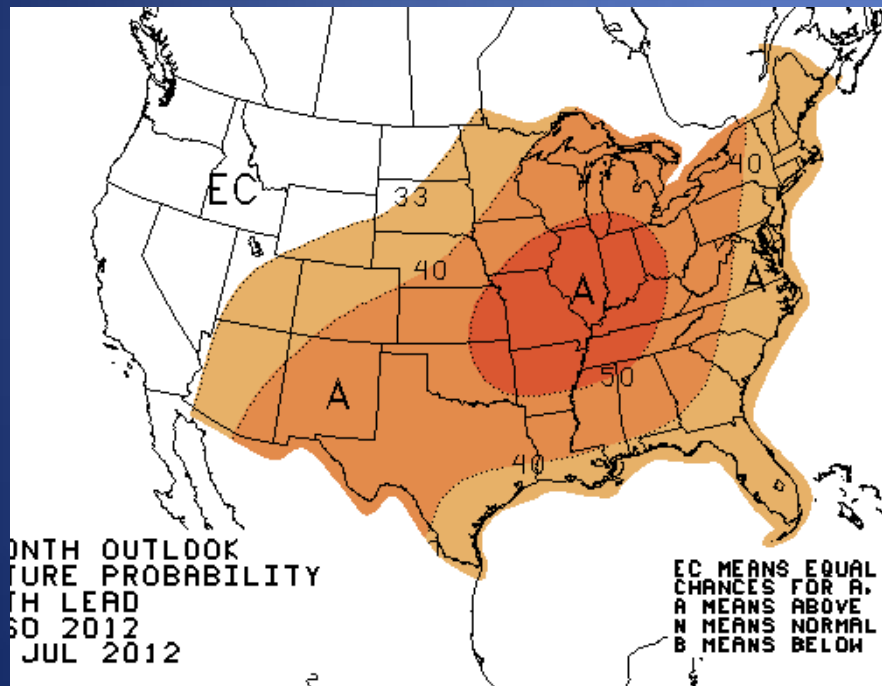
<http://www.cpc.ncep.noaa.gov>

Issued daily

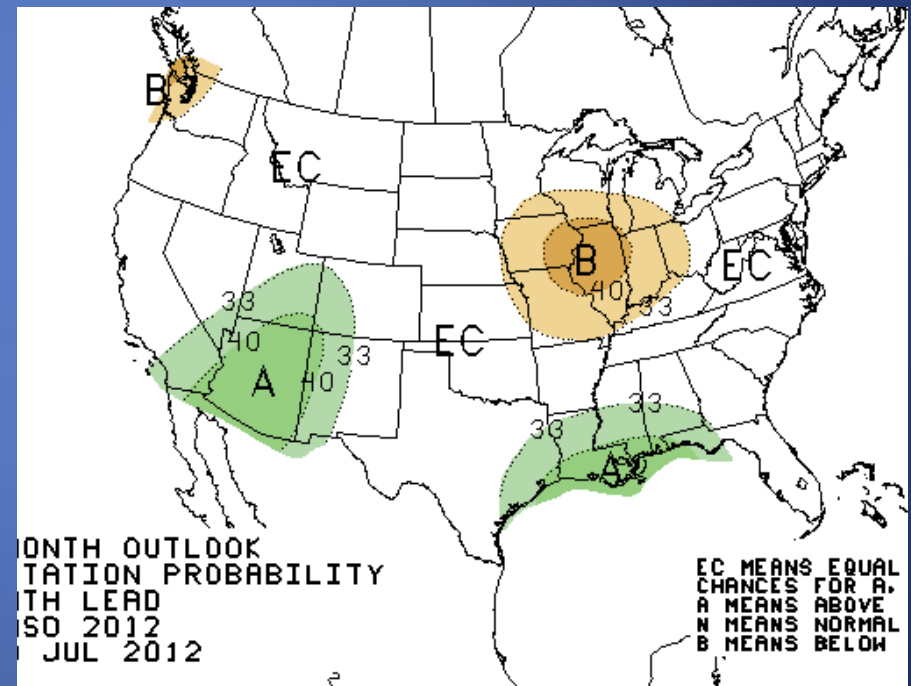
# August Temperature and Precipitation Probabilities



# 3 Month Temperature and Precipitation Probabilities (August – September October)

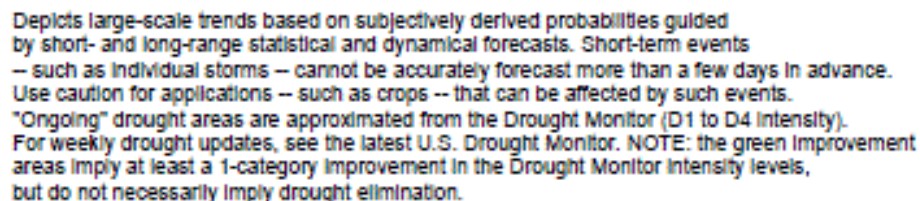


Temperature



Precipitation

[http://www.cpc.ncep.noaa.gov/products/predictions/long\\_range/seasonal.php?lead=1](http://www.cpc.ncep.noaa.gov/products/predictions/long_range/seasonal.php?lead=1)



# Drought Outlook Summary

- Likely stay warm overall through August
- Chance of pattern change mid-August
  - Probably cooler
  - Precip questionable
- Longer term
  - El Nino likely in the fall
  - Does increase chances for precip (recharge only)

